

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

original  
 divisional  
 continuation  
 continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

**PATTERN GENERATION METHOD AND APPARATUS  
USING CACHED CELLS OF HIERARCHICAL DATA**

SPECIFICATION IDENTIFICATION

The specification of which:

is attached hereto  
 was filed on \_\_\_\_\_, under Serial No. (unknown), executed on  
even date herewith; or  
 Express Mail No. \_\_\_\_\_ (as Serial No. not yet known)  
and was amended on \_\_\_\_\_ (if applicable)  
 was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on  
\_\_\_\_\_

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

No such applications have been filed.

Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:

Application No:

Filing date:

**C. US Provisional applications filed within 12 months prior to this U.S. Application**

Application No:

Filing date:

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

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I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard	Registration No. 28,041
Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
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Joseph Bach	Registration No. 37,771
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**Send correspondence to:**

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Applied Materials, Inc.  
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Santa Clara, CA 95052.

**Direct telephone calls to:**

**Robert W. Mulcahy**  
Phone# (408) 563-2726

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Full name of sole or first inventor:

Matthew J. Jolley

Inventor's signature:

*Matthew Jolley*

Date:

*July 11, 2001*

Residence: 15170 NW Perimeter Drive, Beaverton, OR 97006

Post Office Address: 15170 NW Perimeter Drive, Beaverton, OR 97006

Country of Citizenship: U.S.A.

Full name of second inventor:

Asher Klatchko

Inventor's signature:

*Asher Klatchko*

Date:

Residence: 4324 28<sup>th</sup> Avenue, Portland, OR 97202

Post Office Address: 4324 28<sup>th</sup> Avenue, Portland, OR 97202

Country of Citizenship: ISRAEL

Full name of **third** inventor:

**Robert Marc Sills**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 18431 Joseph Drive, Castro Valley, CA 94546

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Full name of sole or first inventor: **Matthew J. Jolley**

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Residence: 15170 NW Perimeter Drive, Beaverton, OR 97006  
Post Office Address: 15170 NW Perimeter Drive, Beaverton, OR 97006

Country of Citizenship: U.S.A.

Full name of second inventor: **Asher Klatchko**

Inventor's signature:  Date: June, 25, 2001  
Residence: 4324 28<sup>th</sup> Avenue, Portland, OR 97202  
Post Office Address: 4324 28<sup>th</sup> Avenue, Portland, OR 97202

Country of Citizenship: ISRAEL **USA (A.K.)**

Full name of **third** inventor:

**Robert Marc Sills**

Inventor's signature:

Date:

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Country of Citizenship: ISRAEL

Full name of **third** inventor:

**Robert Marc Sills**

Inventor's signature: *Robert Marc Sills*

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